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NOVEMBER 15.

The President, DR. JOS. LEIDY, in the chair.

Twenty-five persons present.

Papers under the following titles were presented for publication:—

“Note on *Achines lorentzi* Weyenburgh.” By David S. Jordan.Description of two new species of Fishes from South America.”
By David S. Jordan.

Geological Results of the Boring of an Artesian well at Atlantic City, N. J.—Mr. Lewis Woolman stated that there was commenced in the summer of 1886 at Atlantic City, N. J. an artesian well, the drilling of which has been since continued with some intermission until, at the present time, a depth of 1121 feet has been reached. During a recent cessation in the work caused by delay in the receipt of pipe for tubing the well he had been permitted through the courtesy of the gentlemen interested in the enterprise to turn over and examine the sands, clays and marls accumulated in the dump heap and had found many fossil representatives of life forms, including a bone—the articulating end of a femur or humerus of an animal belonging to the *Crocodilia*,—presented by Dr. T. K. Reed, and a few shells and fish teeth presented by Jas. H. Moore, engineer in charge. There have been obtained from the well 52 species in all, 42 being mollusks. Many of the smaller shells were entire and quite perfect but most of the larger ones were fragmentary, having been broken in pieces by the drill. James H. Moore also kindly furnished a minute description of the thickness and character of all the sands passed through, by a careful examination of which and a grouping of the smaller seams with the larger ones that give character to formations, the speaker had constructed the following section:—

Sands.	{ First	285 ft.	Superficial Sands, Gravels and Clays. Wood found at the base.
Clays.	{ 285 ft. to 416 ft. = 131 ft.		Black Clays and Sands.
	{ 416 ft. to 435 ft. = 19 ft.		Bluish Clay.
Clays and marls with fossils	{ 435 ft. to 670 ft. = 235 ft.		Greenish Clays and Marls with much comminuted shell; some shark teeth and many seams of brittle marly clay of gray color.
Sands.	{ 670 ft. to 691 ft. = 21 ft.		Blackish and brownish sands.